



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

RBWA353A04 Job Sheet 190235



8177

Part No: RBWA353A04

Job Qty: 1 pcs

Part Name: Pmc Oil Filling Quick Disconnect



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 2/6/19

Job Tracking No: SIOP

Due Date: 3/15/19

Created By: Dara Macdonald

Type: Stock

Description:

Note: DWG RBWA353A04 Rev 4 IPP Rev A 18.02.13 New issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Small Fab - 1	1 pcs	3/15/19	3/15/19	0.00	1.00	Small Fab - 1		
							Small Fab - 2		MLC
							Small Fab - 3		
							Small Fab - 4		
							Small Fab - 5		
							Small Fab - 6		
							Small Fab - 7		
120	QC 5	1 pcs	3/15/19	3/15/19	0.00	0.00	QC 5 - 10		
							QC 5 - 12		
							QC 5 - 17		
							QC 5 - 18		
							QC 5 - 19		
							QC 5 - 22		
							QC 5 - 24		
							QC 5 - 3		
							QC 5 - 38		
							QC 5 - 42		
							QC 5 - 43		
							QC 5 - 49		
							QC 5 - 51		
							QC 5 - 58		
							QC 5 - 68		
							QC 5 - 9		
							QC 5 - 50		
							QC 5 - 30		888 19/02/19
130	Packaging 3-1 - Stock - B4B	1 pcs	3/15/19	3/15/19	0.00	0.00	Packaging 3 - 1 - B4B		
							Packaging 3 - 2 - B4B		
							Packaging 3 - 3 - B4B		
							Packaging 3 - 4 - B4B		
							Packaging 3 - 5 - B4B		



Container No: S154526



Part: RBWA353A04

Job No: 190235

Serial No/Batch: S154526

Revision: 4

Inspector:

Exp Date:

Instructions:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 02/19/19

				Packaging 3 - 6 - B4B	DAS
				Packaging 3 - 7 - B4B	28
				Packaging 3 - 8 - B4B	9-89
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
140	QC 21 - SA	1 pcs	3/15/19	0.00 0.00	QC 21 - SA - 21
					QC 21 - SA - 70
					QC 21 - SA - 53

21 FEB 19 2019

Part Op 110 - Small Fab - 1-Assemble as per DWG. Sheet . 2-Engrave 1632T22 tag using marktronic engraver as per DWG. 3-Descriptions: Fabricate and attach lanyard as per DWG.

120 - QC5- Inspect part completeness to step on W/O

130 - Identify as per dwg & Stock Location: _____

140 - QC21- Final Inspection - Work Order Release

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
92 1632T22	Aluminum Tag 1" X 2" X 0.04"	1 pcs (1 ea)	110-Small Fab - 1	5118668
27 2619	Spring Rnd 3/4"	1 Ea (1 ea)	110-Small Fab - 1	5075245
3896T31	Ferule 1/16 X 3/8" - Aluminum	2 Ea (2 ea)	110-Small Fab - 1	5122137
4/4 50715K179	Female Pipe Adapter SS	1 Ea (1 ea)	110-Small Fab - 1	5125824
52 91665A350	Retaining Ring, 7/16" Shaft	1 Ea (1 ea)	110-Small Fab - 1	5096069
47 9262K613	O-Ring 13mm OD x 1mm	1 Ea (1 ea)	110-Small Fab - 1	5046249
CL-2-C	Lanyard Wire	.4200 ft (.42 ea)	110-Small Fab - 1	5110833
RBWA353A04-01	Cap	1 Ea (1 ea)	110-Small Fab - 1	5061607
RBWA353A04-02	Sleeve	1 pcs (1 ea)	110-Small Fab - 1	5146133
137 RBWA353A04-03	Barb	1 pcs (1 ea)	110-Small Fab - 1	5140141
RBWA353A04-05	Quill	1 pcs (1 ea)	110-Small Fab - 1	5136861
RBWA353A04-06	Cap	1 pcs (1 ea)	110-Small Fab - 1	5061857
93 RBWA353A04-07	Valve	1 pcs (1 ea)	110-Small Fab - 1	5137129
94 RBWA353A04-08	Screw (Modified B/O)	2 pcs (2 ea)	110-Small Fab - 1	5057743
25 S1030	Spring .025 Wire: .300 O.D X .5 free length	1 Ea (1 ea)	110-Small Fab - 1	5047353

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
110-Small Fab - 1	1632T22	1	92	0
	2619	1	37	0
	3896T31	2	796	0
	50715K179	1	7	0
	91665A350	1	16	0
	9262K613	1	83	0
	CL-2-C	0	484	0
	RBWA353A04-01	1	1	0
	RBWA353A04-02	1	10	0
	RBWA353A04-03	1	12	0
	RBWA353A04-05	1	11	0
	RBWA353A04-06	1	1	0
	RBWA353A04-07	1	11	0
	RBWA353A04-08	2	15	0
	S1030	1	5	0

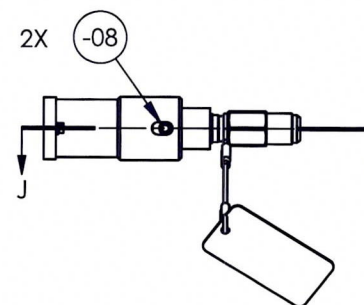
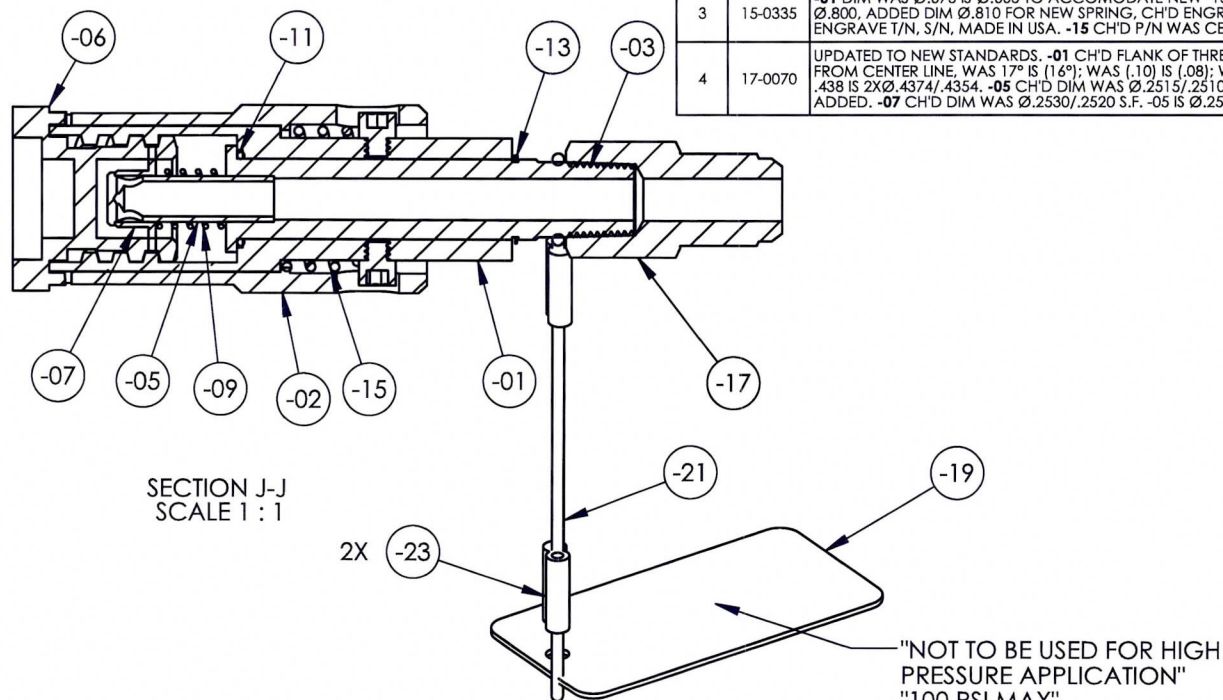
Part Specifications

Specifications could not be found.

Plex 2/6/19 9:19 AM Dart.Macdonald.Dara

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		REDESIGNED ASSEMBLY	2/22/2011	JAG	
2		DELETED -19, -21, & -23 CH'D -15 FROM HOSE & -17 FROM HOSE CLAMP, ADDED -19, -21, & -23. -01 CH'D TO CLEAR ANODIZE. -02 CH'D TO CLEAR ANODIZE. CH'D -03 THRU HOLE FROM Ø.17, CH'D DESIGN ADDED 1/8 NPT -27 FOR FITTING. CH'D -05 ID FROM Ø.14 & CH'D LIMIT DIMENSION FROM Ø.2510-.2514 S.F. -07. CH'D -07 ID LIMIT DIM. FROM Ø.2515-.2520 & S.F. -05 PER D.W.	1/17/2012	RJC	DW
2A		-03 REMOVED X.50 DEPTH FROM 1/8 NPT	1/3/2013	BIM	GE
3	15-0335	-01 DIM WAS Ø.675 IS Ø.665 TO ACCOMODATE NEW -15 SPRING. -02 CH'D DIM WAS 2X Ø.800 IS Ø.800, ADDED DIM Ø.810 FOR NEW SPRING. CH'D ENGRAVE NOTE WAS ENGRAVE T/N TO FIT IS ENGRAVE T/N, S/N, MADE IN USA. -15 CH'D P/N WAS CENTURY SPRING #B15-66 IS 2619.	10/13/2015	RJC	JAG
4	17-0070	UPDATED TO NEW STANDARDS. -01 CH'D FLANK OF THREAD START WAS ON CENTERLINE, IS 5° OFFSET FROM CENTER LINE, WAS 17° IS (16°); WAS (.10) IS (.08); WAS .101 IS .100. -03 CH'D DIM WAS 2X Ø.438 IS 2X Ø.4374/.4354. -05 CH'D DIM WAS Ø.2515/.2510 S.F. -07 IS Ø.2515/.2510 [S.F. -07]. -06 ADDED. -07 CH'D DIM WAS Ø.2530/.2520 S.F. -05 IS Ø.2530/.2520 [S.F. -05].	3/21/2017	SM	JAG



B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	-01	1	CAP	6061		2
	-02	1	SLEEVE	6061		3
	-03	1	BARB	303/304 S.S.		4
	-05	1	QUILL	303/304 S.S.		5
	-06	1	CAP	6061		6
	-07	1	VALVE	303/304 S.S.		7
	-08	2	SCREW	S.S.	6-32 X 1/8 (MCMaster-CARR #92196A139) MODIFIED	8
B/O	-09	1	SPRING	MUSIC WIRE	Ø.025 WIRE: Ø.300 OD X .5 FREE LENGTH (RIED #S1030)	1
B/O	-11	1	O-RING	BURNA-N	Ø13mm OD X 1mm (MCMaster-CARR #9262K613)	1
B/O	-13	1	EXTERNAL RETAINING RING	SPRING STEEL	Ø7/16 SHAFT (MCMaster-CARR #91665A350)	1
B/O	-15	1	SPRING	SPRING STEEL	Ø.78 (CENTURY SPRING #2619)	1
B/O	-17	1	FEMALE PIPE ADAPTER	S.S.	MCMaster-CARR #50715K179	1
	-19	1	TAG	ALUMINUM	1/32 X 1 X 2	1
B/O	-21	1	LANYARD	COATED GALV. STEEL	(7X7 CABLE) Ø1/16 X 5in. (CARR LANE #CL-2-2)	1
B/O	-23	2	FERRULE	ALUMINUM	Ø1/16 X 3/8 (MCMaster-CARR #3896T31)	1



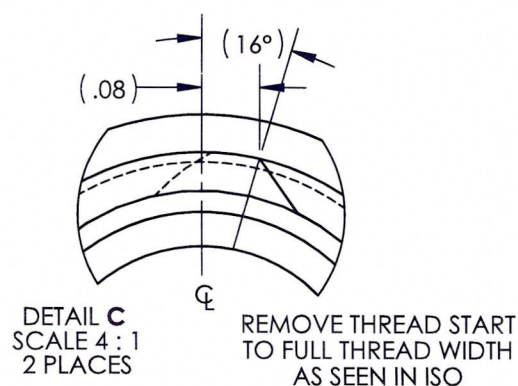
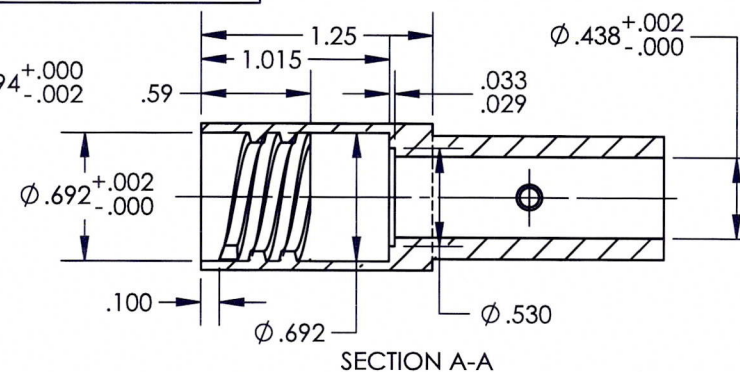
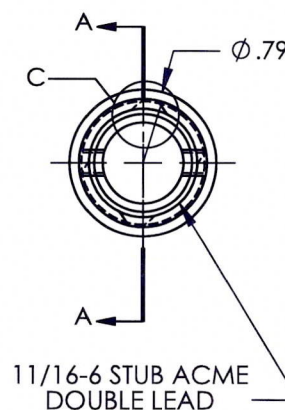
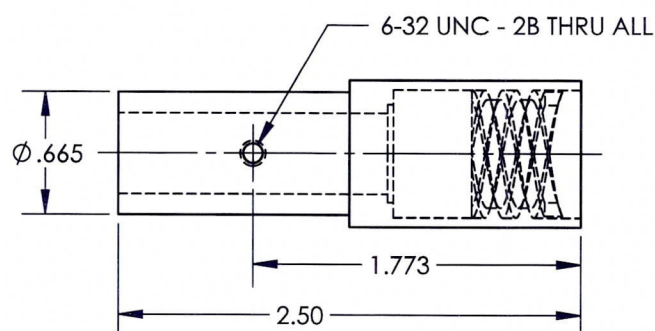
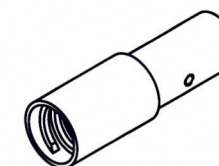
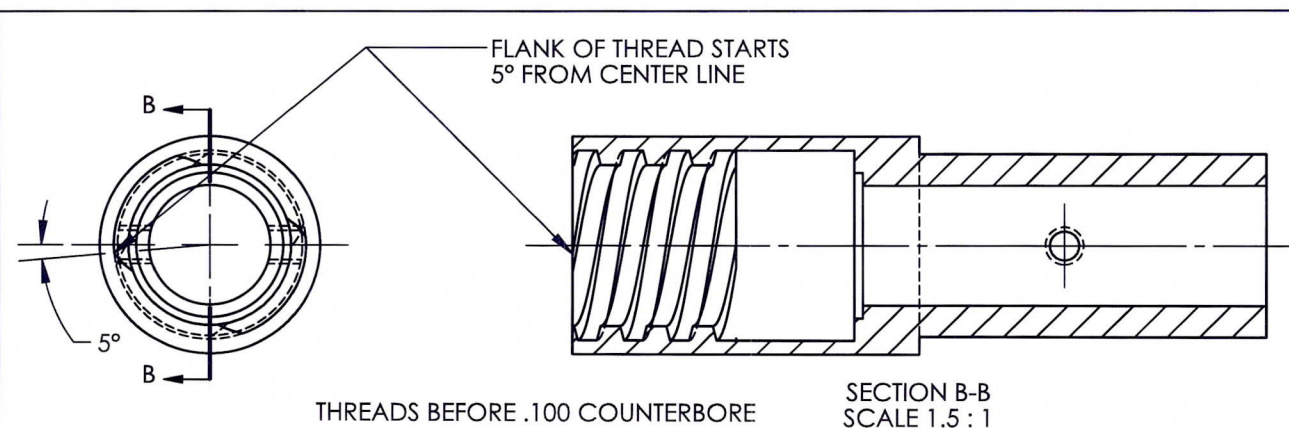
TITLE
PMC OIL FILLING QUICK DISCONNECT

DWG NO. RBWA353A04 REV 4

MAT'L		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT TREAT		.XXX ± .005 FRACTIONS ± 1/8	
FINISH		.XX ± .01 ANGLES ± 5°	
SPEC		X ± .1 SURFACES = 125/√	
DRAWN BY: GILBERT		1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
CHECKED: DD 03/22/2017		2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
OPPS APPR: AA 03/28/2017		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
QA APPR: JL 03/29/2017		USED ON MODEL	
APPROVED: JAG 04/03/2017		AGUSTA HELICOPTERS	
SCALE 1:3	DATE 2/22/2011	SHEET 1 OF 8	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2		-01 CH'D TO CLEAR ANODIZE.	1/17/2012	RJC	DW
3	15-0335	-01 DIM WAS Ø.675 IS Ø.665 TO ACCOMMODATE NEW -15 SPRING.	10/13/2015	RJC	JAG
4	17-0070	-01 CH'D FLANK OF THREAD START WAS ON CENTERLINE, IS 5° OFFSET FROM CENTER LINE, WAS 17° IS (16°); WAS (.10) IS (.08); WAS .101 IS .100.	3/21/2017	SM	JAG



(-01)
CAP

DART AEROSPACE	
TITLE PMC OIL FILLING QUICK DISCONNECT	
DWG NO. RBWA353A04-01	REV 4
MAT'L 6061	
FINISH CLEAR ANODIZE	
SPEC MIL-A-8625, TYPE II, CLASS I	
DRAWN BY: GILBERT	
CHECKED: DD 03/22/2017	
OPPS APPR: AA 03/28/2017	
QA APPR: JL 03/29/2017	
APPROVED: JAG 04/03/2017	
SCALE 1:1	
DATE 2/22/2011	
SHEET 2 OF 8	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
XX $\pm .005$ FRACTIONS $\pm 1/16$
XX $\pm .01$ ANGLES $\pm .5^\circ$
X $\pm .1$ SURFACES = 125/

1. BREAK ALL SHARP EDGES
.015 x 45° OR .015R

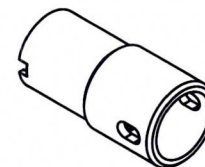
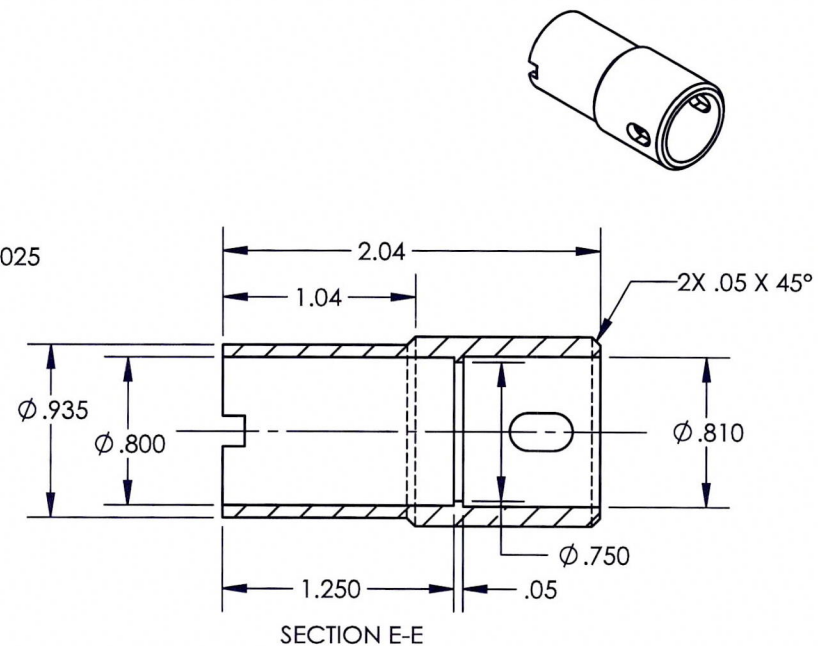
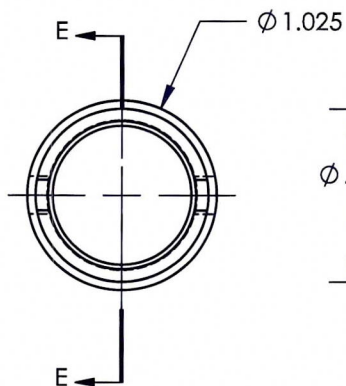
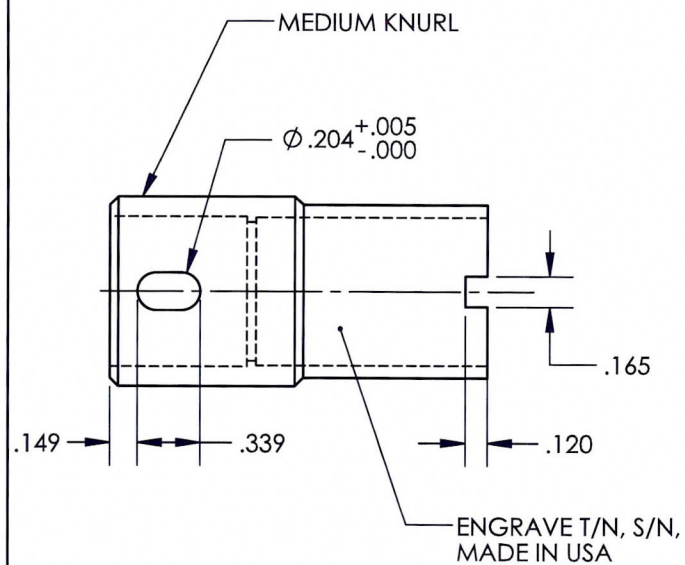
2. DIMENSIONAL LIMITS APPLY
AFTER PLATING

3. INTERPRET DIM AND TOL PER
ASME Y14.5M-2009

USED ON MODEL
AGUSTA HELICOPTERS

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2		-02 CH'D TO CLEAR ANODIZE.	1/17/2012	RJC	DW
3	15-0335	-02 CH'D DIM'S WAS 2X Ø.800 IS Ø.800, ADDED DIM Ø.810 FOR NEW SPRING, CH'D ENGRAVE NOTE WAS ENGRAVE T/N TO FIT IS ENGRAVE T/N, S/N, MADE IN USA.	10/13/2015	RJC	JAG



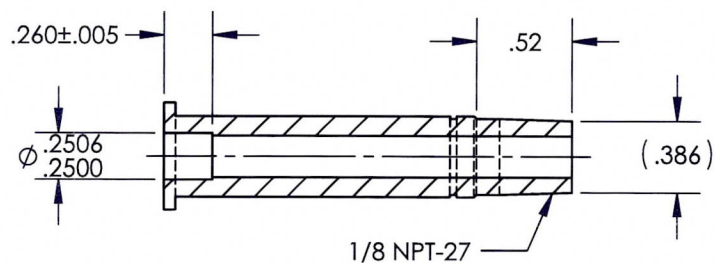
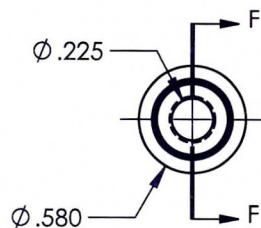
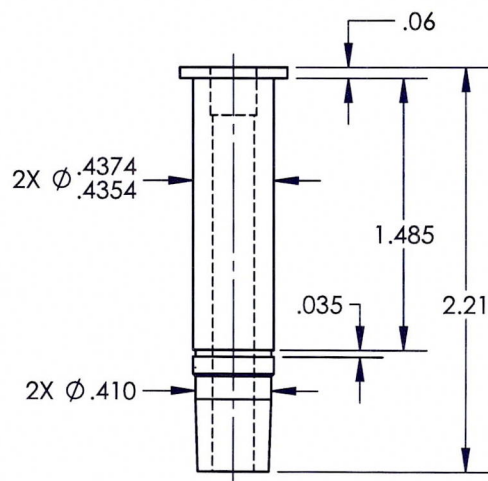
(-02)

SLEEVE

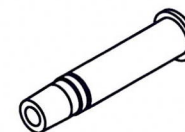
DART AEROSPACE	
TITLE PMC OIL FILLING QUICK DISCONNECT	
DWG NO. RBWA353A04-02	REV 4
MAT'L 6061	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH CLEAR ANODIZE	.XX ± .01 ANGLES ± 5°
SPEC MIL-A-8625F, TYPE II, CLASS I	.X ± .1 SURFACES = 125/✓
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DD 03/22/2017	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: AA 03/28/2017	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: JL 03/29/2017	USED ON MODEL
APPROVED: JAG 04/03/2017	AGUSTA HELICOPTERS
SCALE 1:1	DATE 2/22/2011 SHEET 3 OF 8

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2		-03 CH'D THRU HOLE FROM Ø.17, CH'D DESIGN ADDED 1/8 NPT-27 FOR FITTING.	1/17/2012	RJC	DW
2A		-03 REMOVED X.50 DEPTH FROM 1/8 NPT.	1/3/2013	BIM	GE
4	17-0070	-03 CH'D DIM WAS 2X Ø .438 IS 2XØ.4374/.4354.	3/21/2017	SM	JAG



SECTION F-F



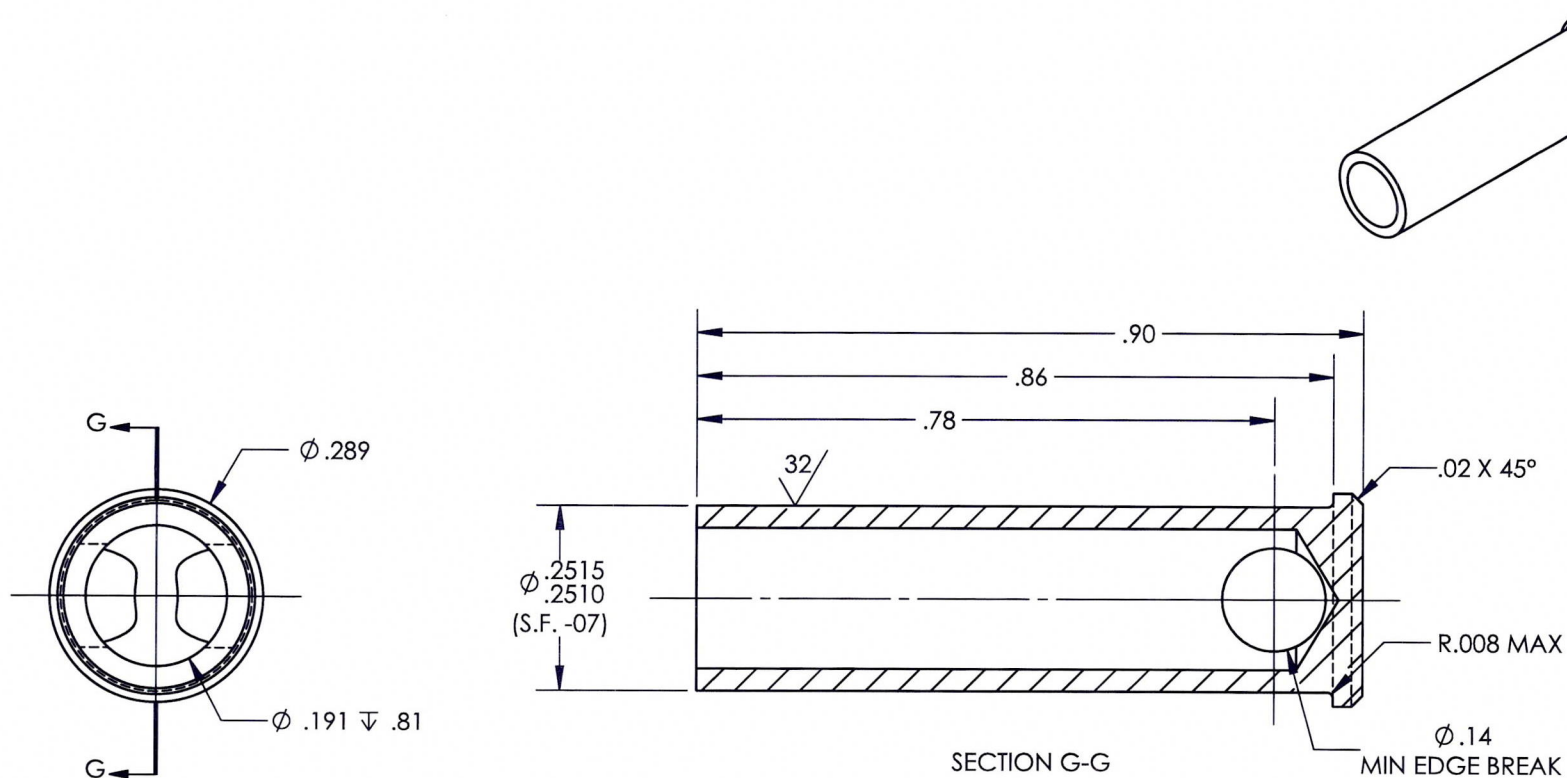
(-03)

BARB

DART AEROSPACE	
TITLE PMC OIL FILLING QUICK DISCONNECT	
DWG NO. RBWA353A04-03	REV 4
MAT'L 303/304 S.S.	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH	XX ± .01 ANGLES ± .5°
SPEC	X ± .1 SURFACES = 125/
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DD 03/22/2017	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: AA 03/28/2017	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: JL 03/29/2017	USED ON MODEL
APPROVED: JAG 04/03/2017	AGUSTA HELICOPTERS
SCALE 1:1	DATE 2/22/2011 SHEET 4 OF 8

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2		-05 CH'D ID FROM Ø.14 & CH'D LIMIT DIMENSION FROM Ø.2510-.2514 S.F. -.07.	1/17/2012	RJC	DW
4	17-0070	-05 CH'D DIM WAS Ø.2515/.2510 S.F. -.07 IS Ø.2515/.2510 (S.F. -.07).	3/21/2017	SM	JAG



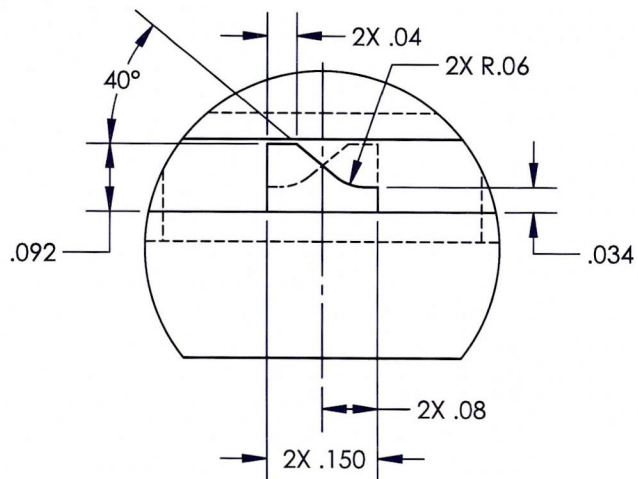
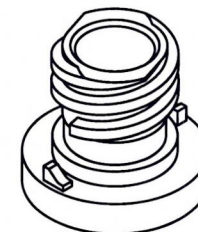
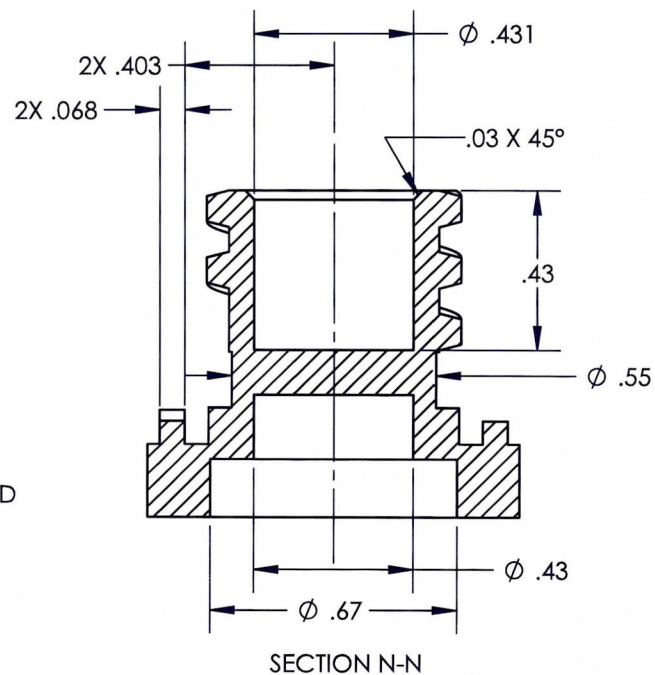
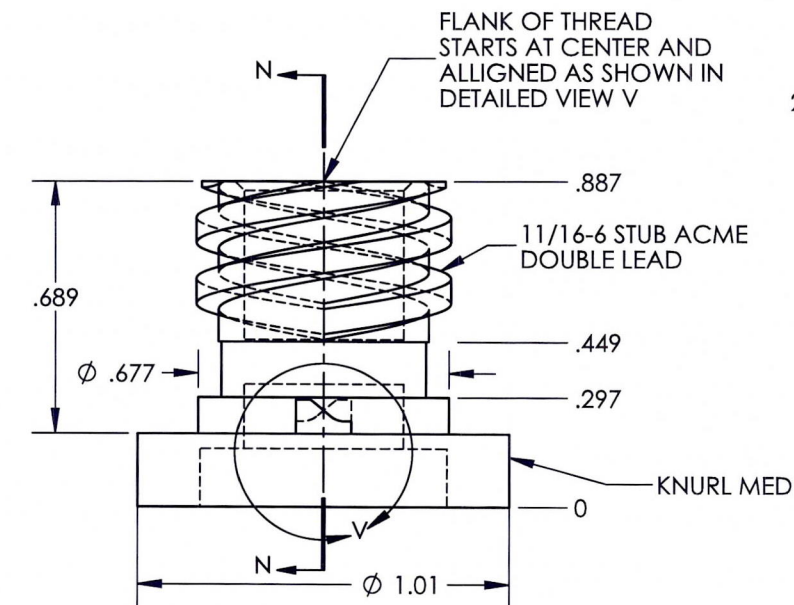
(-05)

QUILL

DART AEROSPACE	
TITLE PMC OIL FILLING QUICK DISCONNECT	
DWG NO. RBWA353A04-05	REV 4
MAT'L 303/304 S.S.	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH	.XX ± .01 ANGLES ± 5°
SPEC	X ± .1 SURFACES = 125/
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DD 03/22/2017	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: AA 03/28/2017	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: JL 03/29/2017	USED ON MODEL
APPROVED: JAG 04/03/2017	AGUSTA HELICOPTERS
SCALE 4:1	DATE 2/22/2011 SHEET 5 OF 8

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
4	17-0070	-06 ADDED.	3/21/2017	SM
				JAG



DETAIL V
REPEAT 2X
SCALE 4:1

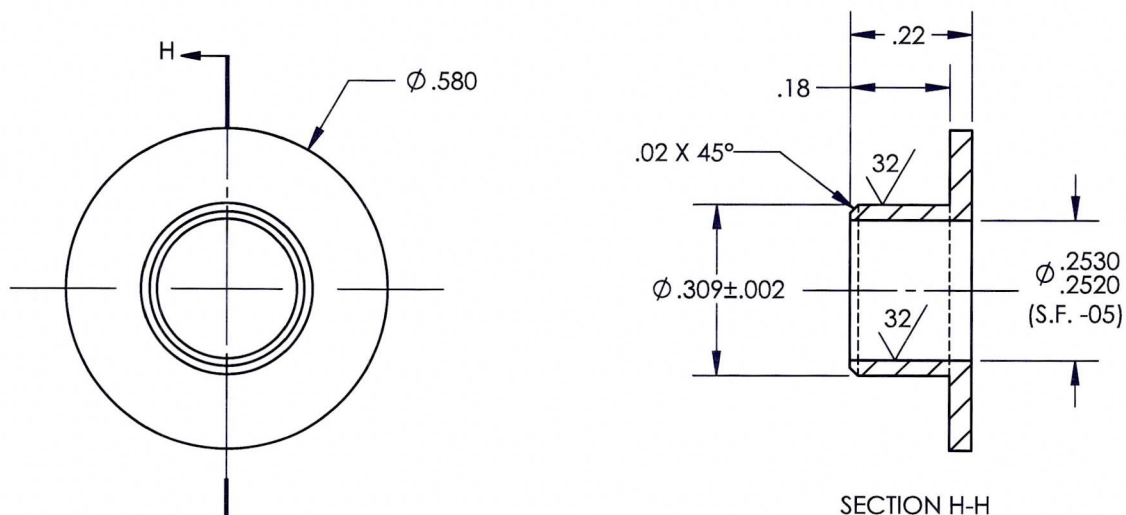
(-06)

CAP

DART AEROSPACE	
TITLE PMC OIL FILLING QUICK DISCONNECT	
DWG NO. RBWA353A04-06	REV 4
MAT'L 6061	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH BLACK ANODIZE	.XXX ± .005 FRACTIONS ± 1/8
SPEC MIL-A-8625F, TYPE II, CLASS II	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125/✓
DRAWN BY: MACKOVJAK	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DD 03/22/2017	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: AA 03/28/2017	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: JL 03/29/2017	USED ON MODEL
APPROVED: JAG 04/03/2017	AGUSTA HELICOPTERS
SCALE 2:1	DATE 6/16/2016
	SHEET 6 OF 8

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2		-07 CH'D ID LIMIT DIM. FROM Ø.2515-.2520 & S.F. -.05 PER S.E. INCREASES STEP FROM .16 TO .18.	1/17/2012	RJC	DW
4	17-0070	-07 CH'D DIM WAS Ø.2530/.2520 S.F. -.05 IS Ø.2530/.2520 (S.F. -.05).	3/21/2017	SM	JAG



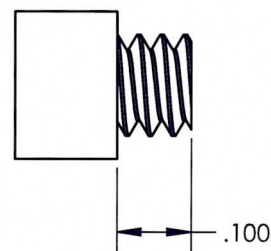
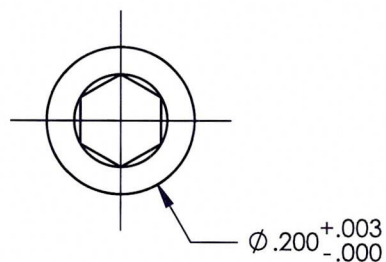
(-07)

VALVE

DART AEROSPACE	
TITLE PMC OIL FILLING QUICK DISCONNECT	
DWG NO. RBWA353A04-07	REV 4
MAT'L 303/304 S.S.	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	XXX ± .005 FRACTIONS ± 1/8
SPEC	XX ± .01 ANGLES ± 5°
	X ± .1 SURFACES = 125/
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DD 03/22/2017	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: AA 03/28/2017	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: JL 03/29/2017	USED ON MODEL
APPROVED: JAG 04/03/2017	AGUSTA HELICOPTERS
SCALE 3:1	DATE 2/22/2011 SHEET 7 OF 8

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED



(-08)

SCREW

DART AEROSPACE	
TITLE PMC OIL FILLING QUICK DISCONNECT	
DWG NO. RBWA353A04-08	REV 4
MAT'L S.S.	UNLESS OTHERWISE SPECIFIED
HEAT	DIMENSIONS ARE IN INCHES
TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH	XX ± .01 ANGLES ± 5°
	X ± .1 SURFACES = 125/
SPEC	1. BREAK ALL SHARP EDGES
	.015 x 45° OR .015R
DRAWN BY: GILBERT	2. DIMENSIONAL LIMITS APPLY
CHECKED: DD 03/22/2017	AFTER PLATING
OPPS APPR: AA 03/28/2017	3. INTERPRET DIM AND TOL PER
QA APPR: JL 03/29/2017	ASME Y14.5M-2009
APPROVED: JAG 04/03/2017	USED ON MODEL
	AGUSTA HELICOPTERS
SCALE 4:1	DATE 2/22/2011 SHEET 8 OF 8

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor		
			QC / QA Coordinator		
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					